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Application Engineering Europe

COPELAND SCROLL MODEL DESIGNATION

***NOTE*: Not all combinations are listed. Refer to Copeland® Brand Products Selection Software & brochures for availability.**

Information in this document are subject to change without notification.

Compressor family

Z	Scroll

Motor type

P	Single-phase
T	Three-phases, three leads

Motor protection

F	Internal inherent protection
W	External electronic protection

Compressor nominal capacity

Model variation

A number or letter assigned to indicate different model types

Voltage range

	50 Hz	60 Hz
C	200 V	208-230 V
D	380-420 V	460 V
E	-	575 V
J	220-240 V	265 V
M	380-420 V	-
R	220-240 V	-
Z	220-240 V	-
5	200-220 V	200-230 V
7	-	380 V

Z R 48 K 3 E – T F D - 522

Capacity multiplier

K = x 1000

M = x 10000

Type of oil

E = POE

None = Mineral oil

Application range

B	High / medium temperature
BD	High / medium temperature Digital
BH	High / medium temperature Horizontal
F	Low temperature with injection port
FD	Low temp. with injection port Digital
FH	Low temperature Horizontal
H	Heat Pump
HI	Heat Pump with injection port
P	Air conditioning R410A
O	Refrigeration R744 Subcritical
R	Air conditioning
RH	Air conditioning Horizontal
RT	Air conditioning even Tandem
RU	Air conditioning uneven Tandem
S	Medium temperature

Product variation (depending on compressor type)

250	Rotalock connections
422, 424,426	Brazing, tandem ready
425	Brazing, tandem capable
502, 512, 522, 524, 526, 540, 550	Brazing connections
523, 541, 551, 561, 568	Rotalock connections
556	Rotalock, including DTC
650	Brazing connections
651	Rotalock connections
870, 840	Tandem with Rotalock valves
871	Tandem with Rotalock adaptors